

ABSTRACT OF THE DISCLOSURE

[0036] A system of scaling is disclosed. A data structure is provided including a control word indicative of a number of input pixels associated with a scaling cycle, a number of output pixels associated with a scaling cycle, a number of available phases and a shift variable. Scaling is performed by incrementing a current phase to obtain a adjusted value, decrementing the adjusted value to obtain a second adjusted value, and determining an index value to access a coefficient by right-shifting the second adjusted value.